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CLAIMS:

What is claimed is:

1. A process in a data processing system for managing objects in a repository, the method comprising:
 providing a repository of objects, wherein the repository includes a plurality of objects representing components for a logically partitioned data processing system, wherein the objects are grouped by class into a set of classes, wherein associations between the objects are links within the repository; and
 responsive to a request from a requestor, manipulating at least one object from the repository based on the request.
2. The process of claim 1, wherein the request is for a selected format and further comprising:
 converting at least one object into the selected format to form at least one converted object; and
 returning the converted object to the requestor.
3. The process of claim 2, wherein the selected format is a common information model standard.
4. The process of claim 2, wherein the converting step is performed by the repository.

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5. The process of claim 1, wherein the objects include at least a computer system, a partition, a partition profile, an input/output slot, a processor, and a memory.

6. The process of claim 1, wherein the data processing system is a hardware management console.

7. The process of claim 1, wherein the repository includes a set of methods.

8. The process of claim 1, wherein the request is received from a common information manager provider.

9. The process of claim 1, wherein manipulating at least one object includes at least one of retrieving the at least one object, creating the at least one object, deleting the at least one object, and updating the at least one object.

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10. An object management system comprising:

a repository of managed objects, wherein the repository includes a plurality of objects representing components for a logically partitioned data processing system, wherein the objects are grouped by class into a set of classes, wherein associations between the objects are links within the repository;

an object manager, wherein the object manager receives a user request for information from the repository; and

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an interface, wherein the interface provides access to the repository from the object manager.

11. The object management system of claim 10, wherein the interface comprises:

a provider, wherein the provider handles requests relating to a logical partitioned data processing system; and

a wrapper, wherein the wrapper provides an interface for the provider to different types of repositories, including the repository.

12. The object management system of claim 10, wherein methods and properties for the objects are defined in a schema class, which inherits from RClassSchema.

13. The object management system of claim 10, wherein the objects are defined using an RObject class.

14. The object management system of claim 13, wherein the links are included in the RObject class.

15. The object management system of claim 13, wherein property values are stored in an array in an RObject in the RObject class, wherein the array indexes are used to directly access the property values.

16. The object manager system of claim 13, wherein table mapping of an RObject identifier to an RObject is "CIM Class" based with each CIM Class having one table.

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17. A data processing system for managing objects in a repository, the data processing system comprising:

providing means for providing a repository of objects, wherein the repository includes a plurality of objects representing components for a logically partitioned data processing system, wherein the objects are grouped by class into a set of classes, wherein associations between the objects are links within the repository; and

retrieving means, responsive to a request from a requestor, for retrieving at least one object from the repository based on the request.

18. The data processing system of claim 17, wherein the request is for a selected format and further comprising:

converting means for converting at least one object into the selected format to form at least one converted object; and

returning means for returning the converted object to the requestor.

19. The data processing system of claim 18, wherein the selected format is a common information model standard.

20. The data processing system of claim 18, wherein the converting means is performed by the repository.

21. The data processing system of claim 17, wherein the objects include at least a computer system, a partition,

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a partition profile, an input/output slot, a processor, and a memory.

22. A computer program product in a computer readable medium for managing objects in a repository, the computer program product comprising:

first instructions for providing a repository of objects, wherein the repository includes a plurality of objects representing components for a logically partitioned data processing system, wherein the objects are grouped by class into a set of classes, wherein associations between the objects are links within the repository; and

second instructions, responsive to a request from a requestor, for retrieving at least one object from the repository based on the request.

23. The computer program product of claim 22, wherein the request is for a selected format and further comprising:

third instructions for converting at least one object into the selected format to form at least one converted object; and

fourth instructions for returning the converted object to the requestor.

24. The computer program product of claim 23, wherein the selected format is a common information model standard.

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25. The computer program product of claim 23, wherein the converting step is performed by the repository.

26. The computer program product of claim 22, wherein the objects include at least a computer system, a partition, a partition profile, an input/output slot, a processor, and a memory.